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(71)Applicant : NISHIDA YOSHITAKA

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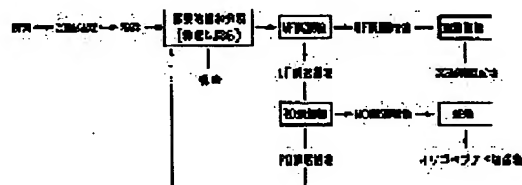
(72)Inventor : KIDA KENJI
 NISHIDA YOSHITAKA
 EGAWA HIROAKI

(54) ENZYMATIC DECOMPOSITION TREATMENT OF UNGULA/HORN OF ANIMAL

(57)Abstract:

PURPOSE: To obtain an oligopeptide fraction having a predetermined mol.wt. and usable for a desired purpose such as a foaming agent by successively treating an enzyme decomposition product of ungula/horns using a UF membrane and an RO membrane and to recycle RO membrane transmitted matter to enzyme reaction to use the same.

CONSTITUTION: An enzyme decomposition product can be treated in a closed system generating no environmental pollution. The enzyme decomposition product is successively treated using a UF membrane and an RO membrane to obtain an oligopeptide fraction divided into desired molecular fractions. This fraction can be used as a foaming compsn. or a cosmetics material. Since Fe^{2+} is used in the production of the foaming compsn., the foaming compsn. excellent in foamability and the holding power of an air bubble is obtained. The oligopeptide compsn. with a low mol.wt. transmitted through the RO membrane has a light color and can be used as a cosmetics material as it is. RO membrane transmitted matter is recycled to enzyme reaction to be reutilized and the enzyme decomposition product is effectively treated without bringing about environmental pollution.



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